



**Hewlett Packard**  
Enterprise

# HPE Database and Middleware Automation

Ultimate Edition

for Linux, Solaris, Windows, AIX, and HP-UX operating systems  
Software Version: 10.50.000.000

## Support Matrix

Manufacturing Part Number: none

Document Release Date: December 2016

Software Release Date: December 2016

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**HP Database and Middleware Automation Version 10.50.000.000  
Support Matrixes for Workflows**

The pages that follow provide support matrixes for the HPE DMA workflows. The matrixes contain the supported products, HPE DMA solution packs, HPE DMA workflows, and supported platforms for each supported product version.

Type	Included items
Product	Oracle
	SQL Server
	SAP Sybase Adaptive Server Enterprise
	IBM DB2
	MySQL
	Apache
	Tomcat
	JBoss
	WebSphere
	WebLogic
Solution Pack	AdvancedDBPatching
	AdvancedDBProvisioning
	DBCompliance
	DBPatching
	DBProvisioning
	DBRefresh
	DBReleaseManagement
	ASProvisioning
	ASPatching
	ASReleaseManagement
	ASConfigManagement
	Discovery
	Promote
Platform	Linux Platforms: Red Hat Enterprise, SUSE Enterprise, Oracle Enterprise, SE Linux
	Solaris (SPARC), Solaris (Intel)
	Windows
	AIX
	HP-UX

Oracle Database		Red Hat Enterprise Linux 5, 6, 7 SUSE Enterprise Linux Server 10, 11 Oracle Linux 5, 6, 7		Solaris (SPARC) 10, 11		Solaris (x86) 10, 11		AIX 6, 7		HP-UX 11iv3 (11.31)		Windows 2008, 2008R2, 2012, 2012 R2	
		12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0
<b>Solution Pack</b>	<b>Workflow</b>												
AdvancedDBPatching	<a href="#">Oracle - Patch Grid Infrastructure and Databases</a>	•	•	•	•				•				
	Oracle - Rollback Patch from Grid Infrastructure and Database	•	•	•	•				•				
	Oracle - Migrate and Patch Grid Managed Database	•	•	•	•			•	•				
AdvancedDBProvisioning	Check RAC Node and Check SQL Connectivity	•	•	•	•				•				
	Cleanup Failed RAC Node Install		•		•				•				
	Oracle - Configure Data Guard Broker Properties	•	•	•	•				•				
	Oracle - Create Database Broker Configuration	•	•	•	•				•				
	Oracle - Provision Data Guard	•	•	•	•				•				
	Install or Configure ASMLib	•	•	•	•				•				
	Move ASM Datafiles	•	•	•	•				•				
	Oracle - Data Guard Broker Switchover	•	•	•	•				•				
	Add or Alter an ASM Diskgroup	•	•	•	•				•				
Oracle - Provision or Upgrade Grid Infrastructure	•	•	•	•			•	•					
DBCCompliance	<a href="#">Oracle - Compliance Audit</a>	•	•	•	•			•	•		•		
DBPatching	<a href="#">Oracle - Patch Home and Database</a>	•	•	•	•	•	•	•	•		•	•	•
	Apply Oracle Patchset <sup>1</sup>												
	Clone Oracle Home	•	•	•	•			•	•		•		
	Migrate Oracle Home	•	•	•	•			•	•		•		
	<a href="#">Oracle - Rollback Patch from Home and Databases</a>	•	•	•	•	•	•	•	•		•	•	•

Oracle Database		Red Hat Enterprise Linux 5, 6, 7 SUSE Enterprise Linux Server 10, 11 Oracle Linux 5, 6, 7		Solaris (SPARC) 10, 11		Solaris (x86) 10, 11		AIX 6, 7		HP-UX 11iv3 (11.31)		Windows 2008, 2008R2, 2012, 2012 R2	
Solution Pack	Workflow	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0
DBProvisioning	Oracle - Upgrade Database	•	•	•	•			•	•		•		
	Oracle - Provision Database	•	•	•	•			•	•		•		
	Provision OEM Agent		•		•				•		•		
	Oracle - Provision Pluggable Database	•		•				•					
	Oracle - Provision Database Software	•	•	•	•			•	•		•		
	Oracle - Provision Client	•	•	•	•			•	•		•		
	Oracle - Start or Stop Database	•	•	•	•			•	•				
	Oracle - Drop Database	•	•	•	•			•	•				
DBRefresh <sup>2</sup>	Oracle - Export and Refresh Database via Data Pump	•	•	•	•			•	•	•	•		
	Oracle - Extract and Refresh Database via RMAN	•	•	•	•			•	•	•	•		
	Oracle - Export Database via Data Pump	•	•	•	•			•	•	•	•		
	Oracle - Extract Database via RMAN	•	•	•	•			•	•	•	•		
	<a href="#">Oracle - Refresh Database via Data Pump</a>	•	•	•	•			•	•	•	•		
	Oracle - Refresh Database via RMAN	•	•	•	•			•	•	•	•		
	Oracle - Migrate Database TTS	•	•	•	•			•	•	•	•		
DBReleaseManagement	<a href="#">Oracle - SQL Release</a>	•	•	•	•			•	•	•	•		
Discovery	<a href="#">Discovery</a>	•	•	•	•	•	•	•	•	•	•	•	•

12.1.0.x includes Oracle 12.1.0.1, 12.1.0.2 (12.1.0.1 was supported in DMA 10.21, 12.1.0.2 is new support)

11.2.0.x includes Oracle 11.2.0.3, 11.2.0.4

The Oracle workflows may still run on 11.1.0.6, 11.1.0.7, and 10.2.0.x x - but out of standard support

<sup>1</sup> Workflow only runs on Oracle versions that are out of standard support

<sup>2</sup> DBRefresh Solution Pack: Still supports 10.2.0.5 for the source

SQL Server		Windows 2012, 2012 R2			Windows 2008, 2008 R2			
Solution Pack	Workflow	2014	2012	2008 R2	2014	2012	2008 R2	2008
DBCompliance	<a href="#">MS SQL - Compliance Audit</a>	•	•	•	•	•	•	
DBPatching	MS SQL - Install Patch	•	•	•	•	•	•	•
	MS SQL Rollback Patch	•	•	•	•	•	•	•
	MS SQL - Install Cluster Patch	•	•	•	•	•	•	•
DBProvisioning	MS SQL - Install Clustered Instance	•	•	•	•	•	•	•
	<a href="#">MS SQL - Install Standalone SQL Instance</a>	•	•	•	•	•	•	•
	MS SQL - Upgrade Standalone SQL Instance	•	•	•	•	•	•	•
	<a href="#">MS SQL - Add Node to Cluster</a>	•	•	•	•	•	•	•
	MS SQL - Create Database	•	•	•	•	•	•	•
	MS SQL - Drop Database	•	•	•	•	•	•	•
	MS SQL - Create AlwaysOn Availability Group	•	•					
DBRefresh	<a href="#">MS SQL - Backup and Restore Database</a>	•	•	•	•	•	•	•
	<a href="#">MS SQL - Backup Database</a>	•	•	•	•	•	•	•
	<a href="#">MS SQL - Restore Database</a>	•	•	•	•	•	•	•
DBReleaseManagement	<a href="#">DB Release for SQL Server</a>	•	•	•	•	•	•	•
Discovery	<a href="#">Discovery</a>	•	•	•	•	•	•	•

**Notes:** Workflows may include a version (for example, v2)

Support includes Windows service packs

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**Key**

- Available
- New support
- Not applicable
- Name New/replaced workflow



SAP Sybase Adaptive Server Enterprise		Red Hat Enterprise Linux 5, 6, 7 SUSE Enterprise Linux Server 10, 11 Oracle Linux 5, 6, 7			Solaris (SPARC) 10			AIX 6, 7		
		15.7	15.5	15.0.3	15.7	15.5	15.0.3	15.7	15.5	15.0.3
<b>Solution Pack</b>	<b>Workflow</b>									
DBCompliance	Sybase - Compliance Audit	•	•	•	•	•	•	•	•	•
DBPatching	Sybase - Patch to Home and Instance	•	•	•		•	•		•	•
	Sybase - Rollback from Home and Instance	•	•	•		•	•		•	•
DBProvisioning	Configure Sybase ASE 15 Server		•	•		•	•		•	•
	Create Sybase Database		•	•		•	•		•	•
	Enable Sybase ASE 15 SMP Feature		•	•					•	•
	Register Sybase SySAM License		•	•						
	Provision Sybase ASE 15 Server		•	•		•	•		•	•
	Sybase - Provision Software	•			•			•		
	Sybase - Provision Instance	•			•			•		
	<a href="#">Sybase - Start or Stop Instance</a>	•								
DBRefresh	Dump Sybase Database		•	•		•	•		•	•
	Load Sybase Database Dump		•	•		•	•		•	•
	Dump and Load Sybase Database		•	•		•	•		•	•
DBReleaseManagement	Sybase Release Management		•	•		•	•		•	•
Discovery	Discovery	•	•	•	•	•	•		•	•
	Sybase Deep Instance Discovery	•	•	•	•	•	•		•	•

**Notes:** Workflows may include a version (for example, v2)  
 Support includes platform minor releases  
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**Key**

- Available
- New support
- Not applicable
- Name New/replaced workflow

MySQL		<b>Red Hat Enterprise Linux</b> <b>5, 6, 7</b> <b>SUSE Enterprise Linux Server</b> <b>10, 11</b> <b>Oracle Enterprise Linux</b> <b>5, 6, 7</b>
Solution Pack	Workflow	MySQL 5.6 Enterprise Edition, x64
DBCompliance	<a href="#">MySQL - Compliance Audit</a>	●
DBProvisioning	MySQL - Create Database	●
	MySQL - Drop Database	●
	MySQL - Upgrade Instance	●
	MySQL - Install Instance	●
	MySQL - Start or Stop	●
DBReleaseManagement	MySQL - SQL Release	●
Discovery	Discovery	●

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**Key**

- Available
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- Not applicable
- New/replaced workflow

**Name**

IBM DB2		Red Hat Enterprise Linux 5, 6			
Solution Pack	Workflow	10.5	10.1	9.7	9.5
AdvancedDBPatching	DB2 - Offline HADR Fixpack Parent Flow	●	●		
	DB2 - Fixpack Validator	●	●		
	DB2 - Offline HADR Apply Fixpack	●	●		
	DB2 - Offline HADR Rollback Fixpack	●	●		
DBCompliance	DB2 - Compliance Audit	●	●	●	●
	DB2 - Patch Fixpack	●	●	●	●
DBPatching	DB2 – Rollback Fixpack	●	●	●	●
DBProvisioning	DB2 - Provision Software	●	●	●	●
	DB2 - Provision Instance	●	●	●	●
	DB2 - Provision Database	●	●	●	●
	DB2 - Upgrade Instance and Database	●	●	●	●
	DB2 - Configure HADR Database	●	●		
	DB2 - Configure Tivoli SAMP On HADR Database	●	●		
Discovery	Discovery	●	●	●	●

IBM DB2		AIX 6, 7			
Solution Pack	Workflow	10.5	10.1	9.7	9.5
AdvancedDBPatching	DB2 - Offline HADR Fixpack Parent Flow	●	●		
	DB2 - Fixpack Validator	●	●		
	DB2 - Offline HADR Apply Fixpack	●	●		
	DB2 - Offline HADR Rollback Fixpack	●	●		
DBCompliance	DB2 - Compliance Audit	●	●	●	●
	DB2 - Patch Fixpack	●	●	●	●
DBPatching	DB2 – Rollback Fixpack	●	●	●	●
DBProvisioning	DB2 - Provision Software	●	●	●	●
	DB2 - Provision Instance	●	●	●	●
	DB2 - Provision Database	●	●	●	●
	DB2 - Upgrade Instance and Database	●	●	●	●
	DB2 - Configure HADR Database	●	●		
	DB2 - Configure Tivoli SAMP On HADR Database	●	●		
Discovery	Discovery	●	●	●	●

Apache		<b>Red Hat Enterprise Linux 5, 6, 7</b> <b>SUSE Enterprise Linux Server 10, 11</b> <b>Oracle Enterprise Linux 5, 6, 7</b>		<b>Windows 2008 R2, 2012, 2012 R2</b>	
Solution Pack	Workflow	2.2	2.4	2.2	2.4
ASProvisioning	<a href="#">Apache - Provision Software</a>	•	•	•	•
Discovery	Discovery	•	•	•	•

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**Key**





- Available
- New support
- Not applicable
- New/replaced workflow

**Name**

Tomcat		<b>Red Hat Enterprise Linux 5, 6, 7</b> <b>SUSE Enterprise Linux Server 10, 11</b> <b>Oracle Linux 5, 6, 7</b>		<b>Windows 2008 R2, 2012, 2012 R2</b>	
<b>Solution Pack</b>	<b>Workflow</b>	<b>7</b>	<b>8</b>	<b>7</b>	<b>8</b>
ASProvisioning	Tomcat - Provision Software	•	•	•	•
Discovery	Discovery	•	•	•	•

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**Key**

-  Available
-  New support
-  Not applicable
-  Name
-  New/replaced workflow

JBoss		Red Hat Enterprise Linux 5, 6, 7 SUSE Enterprise Linux Server 10, 11 Oracle Linux 5, 6, 7		
Solution Pack	Workflow	CE 7*	EAP**	WildFly#
ASpatching	<a href="#">JBoss - Patch Software<sup>1</sup></a>		●	
	<a href="#">JBoss - Rollback Patch Software<sup>1</sup></a>		●	
ASProvisioning	<a href="#">Provision Open Source JBoss 7 StandAlone Mode</a>	●		
	<a href="#">JBoss - Provision Software</a>		●	●
ASConfigManagement	<a href="#">JBoss - Create and Configure Data Source</a>		●	●
ASReleaseManagement	<a href="#">JBoss - Code Release</a>		●	●
Discovery	<a href="#">Discovery</a>		●	●

\* CE 7 - Community Edition Version 7

\*\* EAP - JBoss EAP 6.1.0, 6.2.0, 6.3.0

# WildFly - JBoss WildFly 8.0.0, 8.1.0, 8.2.0

1 EAP - Patching and Rollback Supported version: EAP 6.2 onwards, WildFly 8.0.0, 8.1.0, 8.2.0

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**Key**

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- Name New/replaced workflow

WebSphere		Red Hat Enterprise Linux 5, 6, 7 SUSE Enterprise Linux Server 10, 11 Oracle Linux 5, 6, 7			Windows 2008 R2, 2012, 2012 R2		
		8.5	8	7	8.5	8	7
Solution Pack	Workflow						
ASpatching	Patch WebSphere 7 Network Deployment Cell			•			•
	Patch WebSphere 7 StandAlone Profile			•			•
	WebSphere 8 -Patch Network Cell	•	•		•	•	
	<a href="#">IBM HTTP Server - Patch Software</a>	•	•		•	•	
ASProvisioning	Create Custom Node from Existing WebSphere 7 Install			•			•
	Create StandAlone From Existing WebSphere 7 Install			•			•
	Provision IBM HTTP Server 7 and Plug-in			•			•
	Provision WebSphere 7 and Custom Node			•			•
	Provision WebSphere 7 and Deployment Manager			•			•
	Provision WebSphere 7 StandAlone Profile			•			•
	Provision WebSphere and Deployment Manager	•	•		•	•	
	Provision WebSphere and Custom Node	•	•		•	•	
	Provision WebSphere and Stand-Alone	•	•		•	•	
	Provision Websphere Stand-Alone Profile From Existing Install	•	•		•	•	
	Provision Websphere Custom Node Profile From Existing Install	•	•		•	•	
	<a href="#">WebSphere - Provision WebSphere SDK Java</a>	•	•		•	•	
<a href="#">WebSphere - Provision IBM HTTP Server</a>	•	•		•	•		
ASConfigManagement	Configure WebSphere Cluster and Cluster Members	•	•	•	•	•	•
	Create and Configure WebSphere Data Sources	•	•	•	•	•	•
	<a href="#">WebSphere - Configure IBM HTTP Server</a>	•	•		•	•	
ASReleaseManagement	WebSphere - Code Release	•	•		•	•	
	WebSphere - Code Release on Cluster	•	•		•	•	
Discovery	<a href="#">Discovery</a>	•	•	•	•	•	•

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**Key**

- Available
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- Not applicable
- New/replaced workflow

**Name**



WebSphere		Solaris (SPARC) 10, 11			AIX 6, 7			HP-UX 11iv3 (11.31)
		8.5	8	7	8.5	8	7	7
Solution Pack	Workflow							
ASPATCHING	Patch WebSphere 7 Network Deployment Cell			•			•	
	Patch WebSphere 7 StandAlone Profile			•			•	
	WebSphere 8 -Patch Network Cell	•	•		•	•		
	<a href="#">IBM HTTP Server - Patch Software</a>	•	•		•	•		
ASPROVISIONING	Create Custom Node from Existing WebSphere 7 Install			•			•	•
	Create StandAlone From Existing WebSphere 7 Install			•			•	•
	Provision IBM HTTP Server 7 and Plug-in			•			•	•
	Provision WebSphere 7 and Custom Node			•			•	•
	Provision WebSphere 7 and Deployment Manager			•			•	•
	Provision WebSphere 7 StandAlone Profile			•			•	•
	Provision WebSphere and Deployment Manager	•	•		•	•		
	Provision WebSphere and Custom Node	•	•		•	•		
	Provision WebSphere and Stand-Alone	•	•		•	•		
	Provision Websphere Stand-Alone Profile From Existing Install	•	•		•	•		
	Provision Websphere Custom Node Profile From Existing Install	•	•		•	•		
	<a href="#">WebSphere - Provision WebSphere SDK Java</a>	•	•		•	•		
	<a href="#">WebSphere - Provision IBM HTTP Server</a>	•	•		•	•		
	ASCONFIGMANAGEMENT	Configure WebSphere Cluster and Cluster Members	•	•	•	•	•	•
Create and Configure WebSphere Data Sources		•	•	•	•	•	•	
<a href="#">WebSphere - Configure IBM HTTP Server</a>		•	•		•	•		
ASRELEASEMANAGEMENT	WebSphere - Code Release	•	•		•	•		
	WebSphere - Code Release on Cluster	•	•		•	•		
DISCOVERY	<a href="#">Discovery</a>	•	•	•	•	•	•	

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WebLogic		Red Hat Enterprise Linux 5, 6, 7 SUSE Enterprise Linux Server 10, 11 Oracle Linux 5, 6, 7		Solaris (SPARC) 10, 11	
		11G	12C	11G	12C
Solution Pack	Workflow				
ASProvisioning	Increase WebLogic Domain Span	•	•	•	•
	Provision WebLogic Cluster	•	•	•	•
	WebLogic - Provision Weblogic Domain and Admin Server	•	•	•	•
	WebLogic - Provision Weblogic Managed Servers	•	•	•	•
	WebLogic - Provision Weblogic Software	•	•	•	•
	WebLogic - Provision Advanced Domain and Admin Server	•	•	•	•
	WebLogic - Create Trust and Identity Keystore *	•	•	•	•
AS Patching	<a href="#">WebLogic - Patch WebLogic Domain</a>	•	•	•	•
	Weblogic - Rollback Patch	•	•	•	•
ASConfigManagement	WebLogic - Create and Configure Datasource	•	•		
ASReleaseManagement	WebLogic - Code Release	•	•		
Discovery	Discovery	•	•	•	•

\* Supports Java 1.6 and 1.7

**Notes:** Workflows may include a version (for example, v2)

Support includes platform minor releases

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**Key**






- Available
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- Not applicable
- New/replaced workflow

**Name**

Promote		Red Hat Enterprise Linux 5, 6, 7	SUSE Enterprise Linux Server 10, 11	Oracle Linux 5, 6, 7	Solaris (SPARC) 10, 11	Windows 2008 R2, 2012, 2012 R2
Solution Pack	Workflow					
Promote	Promote Workflow - Export	•	•	•	•	•
	Promote Workflow - Import	•	•	•	•	•
	Promote Workflow - Export and Import	•	•	•	•	•

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**Key**

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-  Name
-  New/replaced workflow

Promote		AIX 6, 7
<b>Solution Pack</b>	<b>Workflow</b>	
Promote	Promote Workflow - Export	•
	Promote Workflow - Import	•
	Promote Workflow - Export and Import	•

**Notes:** Workflows may include a version (for example, v2)  
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**HP Database and Middleware Automation Version 10.50.000.000  
Replacement Workflows**

The following workflows have been deprecated and replaced in HPE DMA 10.50.000.000. The replacement workflows retain (and improve) the original functionality:

Product	Solution Pack	Deprecated Workflow	Replacement Workflow	Version
WebSphere	ASProvisioning	Provision IBM HTTP Server and Plug-in	WebSphere - Provision IBM HTTP Server	10.50.000.000
MSSQL	DBRefresh	Backup and Restore MS SQL Database	MS SQL - Backup and Restore Database	10.50.000.000
		Backup MS SQL Database	MS SQL - Backup Database	10.50.000.000
		Restore MS SQL Database	MS SQL - Restore Database	10.50.000.000

**HP Database and Middleware Automation Version 10.50.000.000  
Required Software Infrastructure**

Software Infrastructure	Product	Version
DMA server platform	Red Hat Enterprise Linux	5.8, 6.1 64-bit
	SUSE Enterprise Linux	11 (or later) 64-bit
	Red Hat Enterprise with Security-Enhanced Linux (All modes)	6.x 64-bit
Server management tool	HP Server Automation	HPEDCA Virtual Appliance 2016.01
		Server Automation 10.x Ultimate Edition (SA 10.1x, 10.2x, and 10.5x)
		Server Automation 10.x Enterprise Edition (SA 10.0x, 10.2x, and 10.5x)
		Server Automation 10.x Standard Edition (SAVA 10.0x)
DMA backend database tool	Oracle Database Enterprise or Standard Edition	12c
		11gR2
	PostgreSQL	9.3.5
Oracle Java	Java Runtime Environment (JRE)	Version 8 Update 92 (1.8_u92) on Linux flavors, Windows, Solaris Version 8 Update 5 (1.8_u5) on HPUX Version 8 Update 130 (1.8_u130) on AIX

**Notes:** Products are supported until end-of-life.

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Supported Web Browsers

Web Browser	Product	Version
Browser	Microsoft Internet Explorer	10 and 11
	Google Chrome	
	Mozilla Firefox	

**Note:** Products are supported until end-of-life.

## HP Database and Middleware Automation Version 10.50.000.000 Supported Target Platforms

Servers running the following operating systems can be used as HPE DMA targets:

Operating System	Architecture	Version
AIX	POWER	AIX 6 AIX 7
HP-UX	Itanium 2	HP-UX 11iv3 (11.31)
Linux	x86 32-bit	Red Hat Enterprise Linux Server 5 Red Hat Enterprise Linux Server 6 Red Hat Enterprise Linux Server 7 SUSE Enterprise Linux Server 10 SUSE Enterprise Linux Server 11 SUSE Enterprise Linux Server 12 Oracle Linux 5 Oracle Linux 6 Oracle Linux 7
	x86 64-bit	Red Hat Enterprise Linux Server 5 Red Hat Enterprise Linux Server 6 Red Hat Enterprise Linux Server 7 SUSE Enterprise Linux Server 10 SUSE Enterprise Linux Server 11  Oracle Linux 5 Oracle Linux 6 Oracle Linux 7 CentOS 6 Security-Enhanced Linux 6 (all modes)
Solaris	SPARC	Solaris 10 Solaris 11
Windows	x86 32-bit	Windows Server 2008
	x86 64-bit	Windows Server 2008 Windows Server 2008 R2 Windows Server 2012 Windows Server 2012 R2